

CROW WING RIVER BASIN

05246500 GULL LAKE NEAR BRAINERD, MN

LOCATION.--Lat 46°24'40", long 94° 21'26", in NE¼ sec. 20, T. 134 N., R. 29 W., Cass County, Hydrologic Unit 07010106, in pool of dam on Gull River, 800 ft south of outlet of Gull Lake, 0.2 mi upstream from Gull Lake Dam, and 8 mi northwest of Brainerd.

DRAINAGE AREA.--287 mi².

PERIOD OF RECORD.--August 1911 to current year. Prior to October 1941 monthend contents only, published in WSP 1308. Published as Gull Lake Reservoir October 1941 to September 1956.

GAGE.--Water-stage recorder. Datum of gage is in mean sea level (levels by U.S. Army Corps of Engineers). Prior to Aug. 10, 1949, nonrecording gage 800 ft north of present site at same datum. Aug. 11, 1949 to June 30, 1973, water-stage recorder at present site and at datum 1,188.14 ft, adjustment of 1912.

REMARKS.--Reservoir is formed by Gull Lake and several other natural lakes controlled by concrete dam completed in 1913; storage began in 1912. Capacity between elevation 1,192.75 ft and 1,194.75 ft (maximum allowable range and normal operating range) is 26,008 acre-ft. Contents shown herein are contents above elevation 1,188.00 ft. Prior to September 1978, published contents as contents above elevation 1,188.75 ft. Water is used to benefit navigation on Mississippi River below Minneapolis.

COOPERATION.--Records were provided by U.S. Army Corps of Engineers.

EXTREMES FOR PERIOD OF RECORD.--Maximum contents, 74,800 acre-ft, capacity table then in use, June 30, 1914, elevation, 1,195.05 ft; minimum observed, 22,250 acre-ft, capacity table then in use, Mar. 20, 1924, elevation. 1,190.75 ft.

EXTREMES FOR CURRENT YEAR.--Maximum contents, 64,810 acre-ft, July 2, elevation, 1194.29 ft; minimum, 43,900 acre-ft, Mar. 20, elevation, 1,192.67.

MONTH-END ELEVATION AND CONTENTS, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997

Date	Elevation (feet)	Contents (acre-feet)	Change in contents (acre-feet)
Sep. 30....	1193.87	59330	
Oct. 31....	1193.86	59200	-130
Nov. 30....	1193.61	55940	-3260
Dec. 31....	1193.29	51810	-4130
CAL YR 1996			-2710
Jan. 31....	1193.13	49730	-2080
Feb. 28....	1192.81	45590	-4140
Mar. 31....	1192.81	45590	0
Apr. 30....	1193.97	60630	+15040
May 31....	1194.06	61810	+1180
June 30....	1194.27	64550	+2740

July 31....	1194.06	61810	-2740
Aug. 31....	1194.00	61020	-790
Sep. 30....	1193.99	60890	-130
WTR YR 1997			+1560